

**Table 411.—Average mathematics scores, at the end of secondary school, by sex, and average time spent studying mathematics out of school, by country: 1994–95**

| Country                         | Average score in mathematics |            |            | Amount of daily out-of-school study time in mathematics |            |                  |            |                     |            | Average hours <sup>1</sup> |
|---------------------------------|------------------------------|------------|------------|---|------------|------------------|------------|---------------------|------------|----------------------------|
|                                 | Mathematics overall          | Males      | Females    | Less than 1 hour  |            | One to two hours |            | Three or more hours |            |                            |
|                                 |                              |            |            | Percent   | Mean score | Percent          | Mean score | Percent             | Mean score |                            |
| 1                               | 2                            | 3          | 4          | 5   | 6          | 7                | 8          | 9                   | 10         | 11                         |
| Australia <sup>2</sup>          | 522 (9.3)                    | 540 (10.3) | 510 (9.3)  | 59 (2.2)  | 521 (8.3)  | 36 (2.2)         | 557 (10.2) | 5 (0.8)             | 534 (13.4) | 1.0 (0.04)                 |
| Austria <sup>2</sup>            | 518 (5.3)                    | 545 (7.2)  | 503 (5.5)  | 77 (1.7)  | 526 (5.8)  | 19 (1.6)         | 533 (9.4)  | 4 (0.8)             | 502 (13.7) | 0.6 (0.04)                 |
| Canada <sup>2</sup>             | 519 (2.8)                    | 537 (3.8)  | 504 (3.5)  | 56 (2.1)  | 539 (5.1)  | 38 (1.9)         | 547 (5.0)  | 7 (1.0)             | 526 (14.6) | 1.1 (0.05)                 |
| Cyprus <sup>2</sup>             | 446 (2.5)                    | 454 (4.9)  | 439 (3.7)  | 63 (2.1)  | 435 (4.3)  | 29 (1.8)         | 471 (4.8)  | 8 (1.3)             | 451 (9.0)  | 1.0 (0.05)                 |
| Czech Republic                  | 466 (12.3)                   | 488 (11.3) | 443 (16.8) | 92 (1.5)  | 464 (13.8) | 8 (1.4)          | 482 (17.8) | 0 (0.2)             | —          | 0.4 (0.03)                 |
| Denmark <sup>2</sup>            | 547 (3.3)                    | 575 (4.0)  | 523 (4.0)  | 68 (2.0)  | 571 (4.9)  | 28 (1.6)         | 563 (4.7)  | 4 (0.7)             | 562 (11.9) | 0.9 (0.04)                 |
| France <sup>2</sup>             | 523 (5.1)                    | 544 (5.6)  | 506 (5.3)  | 59 (2.3)  | 517 (5.1)  | 35 (2.3)         | 539 (6.7)  | 5 (0.7)             | 505 (14.7) | 1.0 (0.04)                 |
| Germany <sup>2</sup>            | 495 (5.9)                    | 509 (8.7)  | 480 (8.8)  | —   | —          | —                | —          | —                   | —          | —                          |
| Hungary                         | 483 (3.2)                    | 485 (4.9)  | 481 (4.8)  | 74 (0.9)  | 480 (3.2)  | 24 (0.8)         | 496 (5.5)  | 2 (0.2)             | —          | 0.7 (0.02)                 |
| Iceland <sup>2</sup>            | 534 (2.0)                    | 558 (3.4)  | 514 (2.2)  | 79 (1.1)  | 553 (3.2)  | 19 (1.1)         | 542 (7.0)  | 2 (0.4)             | —          | 0.7 (0.02)                 |
| Italy <sup>2</sup>              | 476 (5.5)                    | 490 (7.4)  | 464 (6.0)  | 55 (2.6)  | 479 (6.3)  | 40 (2.2)         | 486 (7.2)  | 5 (0.9)             | 477 (11.2) | 1.0 (0.05)                 |
| Lithuania <sup>2</sup>          | 469 (6.1)                    | 485 (7.3)  | 461 (7.7)  | 67 (1.8)  | 472 (5.8)  | 29 (1.7)         | 480 (5.2)  | 4 (0.5)             | 484 (11.5) | 0.8 (0.03)                 |
| Netherlands <sup>2</sup>        | 560 (4.7)                    | 585 (5.6)  | 533 (5.9)  | 82 (1.7)  | 606 (6.2)  | 16 (1.6)         | 581 (11.1) | 1 (0.3)             | —          | 0.7 (0.03)                 |
| New Zealand                     | 522 (4.5)                    | 536 (4.9)  | 507 (6.2)  | 75 (1.4)  | 544 (6.1)  | 23 (1.4)         | 552 (5.9)  | 2 (0.3)             | —          | 0.7 (0.03)                 |
| Norway <sup>2</sup>             | 528 (4.1)                    | 555 (5.3)  | 501 (4.8)  | 85 (1.4)  | 541 (5.1)  | 14 (1.3)         | 558 (9.5)  | 1 (0.3)             | —          | 0.5 (0.03)                 |
| Russian Federation <sup>2</sup> | 471 (6.2)                    | 488 (6.5)  | 460 (6.6)  | 56 (2.0)  | 463 (5.9)  | 33 (1.4)         | 484 (7.5)  | 11 (1.2)            | 494 (8.1)  | 1.2 (0.06)                 |
| Slovenia <sup>2</sup>           | 512 (8.3)                    | 535 (12.7) | 490 (8.0)  | 72 (2.7)  | 521 (9.4)  | 25 (2.6)         | 518 (9.5)  | 2 (0.6)             | —          | 0.7 (0.05)                 |
| South Africa <sup>2</sup>       | 356 (8.3)                    | 365 (9.3)  | 348 (10.8) | 33 (1.8)  | 394 (17.1) | 51 (1.8)         | 375 (10.9) | 17 (1.2)            | 344 (7.2)  | 1.7 (0.05)                 |
| Sweden                          | 552 (4.3)                    | 573 (5.9)  | 531 (3.9)  | 90 (0.9)  | 579 (5.4)  | 9 (0.9)          | 580 (7.8)  | 1 (0.2)             | —          | 0.4 (0.02)                 |
| Switzerland                     | 540 (5.8)                    | 555 (6.4)  | 522 (7.4)  | 67 (1.6)  | 569 (4.9)  | 28 (1.3)         | 550 (5.6)  | 5 (0.9)             | 522 (10.6) | 0.9 (0.04)                 |
| United States <sup>2</sup>      | 461 (3.2)                    | 466 (4.1)  | 456 (3.6)  | 76 (1.5)  | 475 (3.8)  | 22 (1.5)         | 486 (5.9)  | 2 (0.2)             | —          | 0.7 (0.02)                 |

<sup>1</sup> Average hours based on: No time = 0; Less than 1 hour = .5; 1–2 hours = 1.5; 3–5 hours = 4; More than 5 hours = 7.

<sup>2</sup> Countries not meeting all International Association for the Evaluation of Education Achievement's sampling specifications.

—Data not available or not applicable.

NOTE.—End of secondary school is equivalent to 12th-grade in the U.S. and a few other countries, but ranges from 9th- to 14th-grade among the survey countries. Standard errors appear in parentheses.

SOURCE: International Association for the Evaluation of Educational Achievement, *Mathematics and Science Achievement in the Final Year of Secondary School: IEA's Third International Mathematics and Science Study, 1998*, by Ina V.S. Mullis et al. Copyright © 1998 Boston College, Chestnut Hill, MA. (This table was prepared October 1998.)